

INTERNATIONAL SEARCH REPORT

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| Intern'l Application No |
| PCT/GB2004/005173 |

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| A. CLASSIFICATION OF SUBJECT MATTER |
| IPC 7 G01R11/56 |

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| According to International Patent Classification (IPC) or to both national classification and IPC |
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| B. FIELDS SEARCHED |
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| Minimum documentation searched (classification system followed by classification symbols) |
| IPC 7 G01R G01D |

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| Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched |
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| Electronic data base consulted during the International search (name of data base and, where practical, search terms used) |
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| EPO-Internal, WPI Data |
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| C. DOCUMENTS CONSIDERED TO BE RELEVANT |
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| Category ° | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|--|
| X | <p>US 4 644 320 A (CARR ET AL) 17 February 1987 (1987-02-17)</p> <p>figures 1,2,6,12-15 column 2, line 26 - column 3, line 41 column 5, line 37 - line 51 column 6, line 1 - line 44 column 7, line 26 - line 49 column 8, line 31 - line 34 column 9, line 3 - line 20</p> <p>-----</p> <p style="text-align: center;">-/-</p> | <p>1-6, 10, 11, 13, 14, 19-23, 25-29, 31, 32</p> |

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| <input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. |
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| <input checked="" type="checkbox"/> Patent family members are listed in annex. |
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° Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

- *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

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| Date of the actual completion of the International search |
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| 5 April 2005 |
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| Date of mailing of the International search report |
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| 13/04/2005 |
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| Name and mailing address of the ISA |
|-------------------------------------|

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| European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 |
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| Höller, H |
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| Intern | Application No PCT/GB2004/005173 |
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
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| X | WO 03/025878 A (SIEMENS METERING, INC; JUNKER, JOHN, P; BURNS, GORDON, R) 27 March 2003 (2003-03-27) figures 1,3,4 page 1, paragraph 3 – paragraph 5 page 2, paragraph 2 page 5, paragraph 3 – paragraph 4 page 8, paragraph 2 page 10, paragraph 3 – page 11, paragraph 5 page 12, paragraph 2 – paragraph 5 page 15, paragraph 3 page 16, paragraph 3 – paragraph 4 page 19, paragraph 2 page 21, paragraph 1 – paragraph 2 _____ | 1,6–9, 12–25, 27–30 |
| X | US 2003/193405 A1 (HUNT HUNTER L ET AL) 16 October 2003 (2003-10-16) figures 1,3,9,10,12 paragraph ‘0027! – paragraph ‘0030! paragraphs ‘0038!, ‘0039! _____ | 1,7–9, 13–25, 27–29 |
| A | WO 00/33091 A (FORREST, ANDREW) 8 June 2000 (2000-06-08) figure 1 page 1, paragraph 1 page 2, paragraph 1 – page 4, paragraph 5 page 5, paragraph 3 – page 6, paragraph 1 _____ | 1–4,23 |
| A | US 6 226 600 B1 (RODENBERG, III ERNEST A ET AL) 1 May 2001 (2001-05-01) figures 1–3 column 1, line 55 – column 2, line 30 column 3, line 6 – line 57 column 4, line 7 – line 27 _____ | 1,3,23 |
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